

WEST

Generate Collection

Print

L10: Entry 8 of 12

File: USPT

May 15, 1979

US-PAT-NO: 4154853

DOCUMENT-IDENTIFIER: US 4154853 A

TITLE: Packed infusible bag for an infusible substance

DATE-ISSUED: May 15, 1979

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rambold; Adolf	D-4005 Meerbusch 1			DEX

US-CL-CURRENT: 426/83; 206/.5, 426/110, 426/115

CLAIMS:

I claim:

1. A packed infusible bag for an infusible substance such as tea, comprising an inner bag containing an infusible substance and made of a liquid-permeable material, a string secured at one end to the head of the bag,

a packing envelope made of a tearable liquid and air-impermeable material surrounding the bag on all sides, said material is folded along a center line defining two strip halves having free edges, said free edges of said two strip halves forming two facing abutting inner sides, respectively, said material being layered at least on one of said two facing abutting inner sides of said free edges with a heat and/or pressure activatable material sealingly connecting said free edges of both said two strip halves which lie on one another and defining and maintaining a hermetically-sealed hollow space therein in which said bag is disposed, a portion of said sealed free edges form an envelope edge part of said envelope, said envelope edge part sealingly enclosing the other end of the string therebetween, said edge part bounding a portion of said hermetically-sealed hollow space in the envelope,

a tag is connected via said string with the head of the bag for handling of the bag, said tag constituting an integral part of said envelope edge part and separably connected from a remainder of said envelope edge part along a separating line formed exclusively in said edge part starting from different outer edges of said envelope edge part on opposite sides of the enclosed end of said string and extending from said different edges on said opposite sides up to but space apart from said enclosed end of said string and closely adjacent to said hollow space, such that the area of said envelope edge part immediately adjacent both sides of said enclosed end of the string is sealed a portion of said separating line extending in said edge part along and closely adjacent to said hollow space defining a narrow web between said tag and said hollow space, said narrow web constituting a portion of said envelope edge part,

at least a portion of said separating line and said portion of said separating line constituting a perforated tear line,

said perforated tear line starting from at least adjacent one of said different outer edges and extends exclusively in said envelope edge part on one of said opposite sides of said enclosed end of said string up to an inner end point of said tear line in said envelope edge part on said one opposite side of said enclosed end of said string, said end point being spaced from said string on said one opposite side,

another portion of said separating line being defined by at least one first cut starting from another of said different outer edges and formed and extending exclusively in said envelope edge part on the other of said opposite sides of said enclosed end of said string up to an inner first point of said another portion of said separating line in said envelope edge part and directed toward the sealed hollow space such that thereby the envelope can be torn through the hollow space, said inner first point being spaced from said string on said other opposite side of said enclosed end of said string, said inner first point on said other opposite side of said enclosed end of said string corresponds, at least approximately, line symmetrically relative to said string with respect to said inner end point of said tear line in said envelope edge part on said one opposite side of said enclosed end of said string, said inner end point of said tear line and said inner first point of said at least one first cut defining an imaginary straight line therebetween exclusively in said envelope edge part through said area, whereby said tear line can be torn from said one edge to said inner end point and across said narrow web to said hollow space and the torn-through envelope to release the tag so that the bag and tag can be removed from the envelope.

2. The packed infusible bag as set forth in claim 1, wherein

said first cut forms an angle less than 180 degrees and more than 90 degrees relative to said tear line,

said string extends perpendicularly relative to said tear line from an outer edge of said envelope up to said separating line, said tear line extends parallel to said outer edge.

3. The packed infusible bag as set forth in claim 1, wherein

said separating line is straight, said head of said bag has a folded-back corner,

said tag forms a corner of said edge part of said envelope, said corner is adjacent to said head of said bag.

4. The packed infusible bag as set forth in claim 3, wherein

said first cut extends along said separating line,

said string runs parallel to an elongated outer edge of said edge part of said envelope, said tear line is inclined relative to said string.

5. The packed infusible bag as set forth in claim 1, wherein

said envelope is formed with a fold line in said edge part of said envelope, said fold line runs parallel to said string, the latter is enclosed in said edge part adjacent said fold line,

said first cut and said fold line demarcate a small corner from the remainder of said edge part, said small corner is folded back on said remainder of said edge part and thereby forms a triangular recess in the edge part of said envelope.

6. The packed infusible bag as set forth in claim 1, wherein

said edge part of said envelope is formed with a second cut, said second cut forms said separating line from said tear line up to an outer edge of said edge part of the envelope.

7. The packed infusible bag as set forth in claim 1, wherein said separating line is straight at least at a section thereof and at least on one end is perpendicular to an outer edge of said envelope,

said first cut is perpendicular relative to said tear line,

said string extends from said outer edge of said envelope to said separating line at an angle of less than 90.degree. relative to said tear line, the latter extends parallel to said outer edge.

8. The packed infusible bag as set forth in claim 1, wherein

said string extends tightly from said head of said bag to a bottom of said bag, said

string continues around said bottom and from the latter extends up to said tag,

said separating line is straight at least in a section thereof and at least on one end is perpendicular to an outer edge of said envelope,

said first cut is perpendicular relative to said tear line,

said string extends from said outer edge of said envelope to said separating line at an angle of less than 90.degree. relative to said tear line, the latter extends parallel to said outer edge.

9. The packed infusible bag as set forth in claim 1, wherein

said string extends tightly from said head of said bag to a bottom of said bag, said string continues around said bottom and from the latter extends up to said tag,

said string runs parallel to an elongated outer edge of said edge part of said envelope, said tear line is inclined at an angle other than perpendicularly relative to said string.